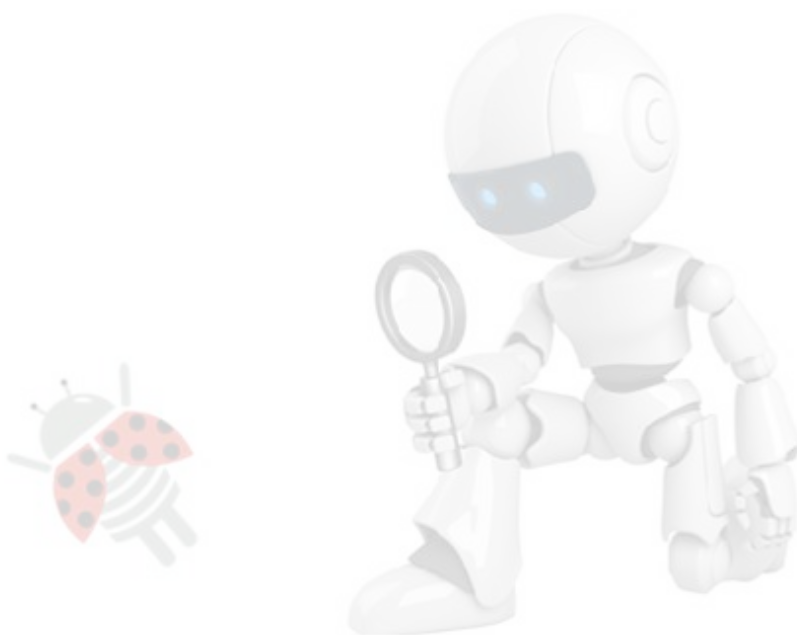

USER ACCEPTANCE TESTING

2 days course





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2 Days course

COURSE DESCRIPTION

This course is intended for business users, from a non-technical background, who have been given the responsibility for User Acceptance Testing. Their mission is critical for the wellbeing of your company since the software they accept will be used to improve your business. The course explains the goals of Acceptance Testing and facilitators will show users how to create useful requirements, how to develop tests from these requirements, as well as the different levels of documentation involved in today's software projects. We insist on the practical side of this training, how to apply what you will see and hear in your real projects. You will create a test plan, design and cross reference tests against requirements and record / report on defects identified during testing.

One more aspect shown in this training is how to be comfortable with your User Acceptance Testing

I will use my 12 years of experience as a software tester and my 9 years expertise as senior trainer in order to support my customers in their effort to be more innovative while approaching the quality process and testing - because I strongly believe that brain can be used for creation and machines for execution!

VICTOR HORESCU

I am providing software testing and quality assurance trainings based on ISTQB Curricula, HP Application Lifecycle Management Platform, which includes all testing tools from HP, Introduction in Software Testing, Usability Testing and custom, developed courses related to software testing area.

My trainings can be run from my premises, public places and on client sites anywhere by arrangement

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COURSE OUTLINE

- 1. UAT in Software Development Lifecycle**
- 2. Importance of Business requirements**
- 3. The Test Process**
- 4. Usability in UAT**
- 5. Test Techniques for UAT**
- 6. Entry & Exit Criteria**
- 7. Test Management Organization**
- 8. Practical Simulation**



BENEFITS

- ✓ Stakeholders will see a higher level of accuracy in testing the software system because their acceptance testing team will gain the necessary testing skills
- ✓ The Acceptance Test Manager will notice a higher speed and precision in executing acceptance tests due to better organization of AUT process
- ✓ The testing team will gain clarity and accuracy on how to test and what to test first due to testing techniques learned
- ✓ Better cooperation between your Acceptance Testing Team and the software vendor due to enhanced understanding of the process



1 UAT in Software Development Lifecycle

The course begins by introducing the key objectives of Acceptance Testing: to verify that business goals in commissioning the software are achieved, and to validate that the software product is suited to its users' needs. We will position UAT in the SDLC and underline the interconnection of UAT testers with other teams. We will show different ways of SDLC among which will be agile or waterfall and hybrid development environments. UAT is presented in terms of modern thinking, that "it should not be the customer's responsibility to debug the system", but rather to demonstrate its acceptability. We will define roles, communication paths and psychology of testing. It will be described in which levels of testing should be conducted in UAT.

Importance of Business Requirements 2

This chapter focuses on the importance of business requirements issued by the beneficiary of the software as a source of information for the Test Cases used in UAT. We will see the characteristics of a testable requirement, what is needed to enable you to develop a successful UAT Test Plan. We will explore Requirement Risk Based Testing as a technique to efficiently prioritize requirements for testing in UAT. It will be explored the direct link between the first step of the SDLC (business requirements) and the last one User Acceptance Testing. As an exercise delegates are shown how to develop verifiable acceptance criteria, how to create requirements based on an existing application, which will later be used later to extract test scenarios for UAT.

3 The Test Process

This section explains in depth the different activities that should be carried out as a part of the test process; namely Test Planning, Test Requirements Definition, Test Design, Test Construction and Test Execution. We plan a hands-on exercise in this chapter on a consistent case study where we will see how to use in practice all the activities. At the end of the second day the trainees will have to do that themselves. We will explore how to analyse requirements for test conditions; to design tests and test cases; to construct and execute test procedures; to report incidents (defects); and to monitor and report progress. At the end of this chapter the delegates will know what to do in every phase of the Acceptance Test process.

Usability in UAT 4

A very important aspect of a software application is its usability. How fast it can be learned, how easy to use by all types of users in your organization. You may receive a software application that is difficult to use or slows you down in your daily activities which will make it hard to be accepted by users thus less used. The information in this chapter helps you prevent a low usage your newly created software. At the end of this chapter we will have an opened discussion about a virtual project and how to make it more usable. Examples from your experience are welcomed.

USER ACCEPTANCE TESTING

DAY 2



5 Test Techniques for UAT

Acceptance Testing involves verification that business rules are fully and correctly implemented in the software, and validation that the software runs in ways acceptable to its direct users. This section introduces a key test design technique created to ensure systematic coverage of complex business logic in practical work. Following the same case study as on Day 1, these techniques will be used in combination to design more detailed test cases, cross referenced back to requirements so as to verify coverage. Since test-first software development is an emergent approach, not yet adopted by all software development organizations, there is also discussion of how to put it to work in your organization thus avoiding rework, loss of time and loss of money.

Entry and Exit criteria 6

It is not expected that software brought to Acceptance Testing will be perfect, this is why your testing should define the minimum acceptable level of quality which is necessary to enter in UAT. Kindly remind you that UAT's objective is not to discover defects but to establish confidence in the software which will Go Live. In this chapter you will establish practical entry and exit criteria to filter the releases who will be accepted in UAT (will consume your time) and releases who will Go Live. At the end of the chapter we will define together entry and exit criteria which you can take and apply in your projects.

7 Test Management Organization

The final section of the course explains how to conduct key test management activities when performing Acceptance Testing. This includes monitoring and reporting progress towards achieving Acceptance Criteria (including how to structure test progress reports), with considerations of how to handle significant variances from planned progress. Contractual and regulatory issues are explained, including the importance of clearly documenting acceptance criteria up front with suppliers, and agreeing defect severity / priority levels, and routes for change requests where defects are not accepted as real or important.

Practical Simulation 8

At the end of the training we will dedicate a few hours to a practical simulation which will be based on a test application. You will have to put in practice all the knowledge acquired during this training and simulate an Acceptance Test. During this complex exercise the delegates will allocate roles, create documents (based on predefined templates), execute tests, assume decisions and in the end they will decide if the AUT will Go Live or not. We will offer a complete experience of what an Acceptance Test looks like.

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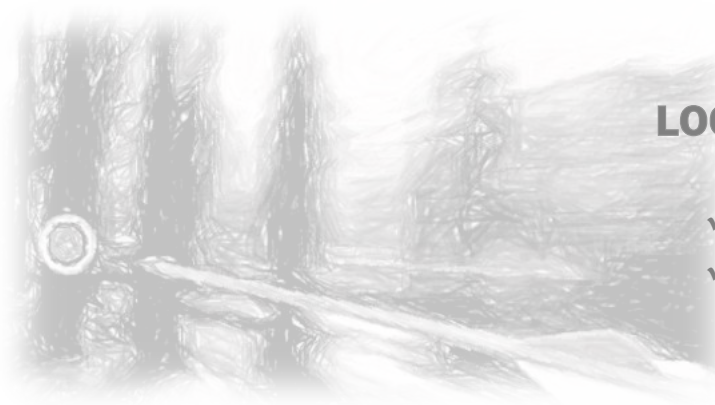


WHO SHOULD ATTEND

- ✓ **Those with little or no knowledge of testing, but have been given the responsibility for User Acceptance Testing**
- ✓ **Managers who have the responsibility for carrying out user acceptance testing**

WHAT MAKES THIS TRAINING DIFFERENT

- ✓ **Accent on practice "How to use IT in practice" is a question that will be answered at every chapter**
- ✓ **Accent on usability testing, aspect usually ignored in most trainings**
- ✓ **Creates a very efficient combination between your already knowledgeable business people and a professional software tester**
- ✓ **Allows your Acceptance Testing Team to better cooperate with the software vendor**



LOGISTICS

- ✓ **Bucharest – Regus Training Room**
- ✓ **28 – 29 November 2016**

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